

IN THE ABSTRACT

Please replace the Abstract with the following Abstract:

ABSTRACT

~~A substrate conveyor positioner unit for conveying and positioning a substrate in an X direction is arranged on a supporting base. Supporting frames are arranged in a standing manner on both ends in a Y direction being orthogonal to the X direction on the supporting base. A component supplying unit is arranged on at least one end side in the Y direction on the supporting base. A plurality of Y-axis tables is laid between upper ends of the both supporting frames at an appropriate interval. An X-axis table is attached to a movable portion of each Y-axis table. An operating head for holding a component by suction at the component supplying unit and for mounting the component on the substrate on the substrate conveyor positioner unit is attached to a movable portion of the X-axis table. Moreover, a height of upper ends of the supporting frames is located below eyes of a worker to enable the worker to visually confirm conditions of mounting operations.~~

A component mounting apparatus having a work conveyor-positioner unit is arranged on a supporting base to convey and position a substrate in an X direction. Supporting frames extend vertically from ends of the supporting base and face each other in a Y direction. The component mounting apparatus further includes a plurality of Y-axis tables extending between upper ends of the supporting frames, X-axis tables attached to movable portions of the Y-axis tables, and operating heads attached to movable portions of the X-axis tables to perform operations with respect to the substrate on the work conveyor-positioner unit. Each of the plurality of the Y-axis tables includes a movable portion at a lower part. Each of the X-axis tables includes a movable

portion at a lower part and the operating heads are attached to a lower part of the movable portion of the X-axis tables.